

YEAR:

2008

PROJECT:

SHARQ

DESCRIPTION:

Petrochemical Industry. Pipeline - External

Application of the heat resistant system (in line with Sabic's PCS-4 system) was done off-site by MMG in Dammam, weld areas and touch up was done on site in Jubail after installation.

OWNER:

SHARQ (Sabic)

LOCATION / COUNTRY:

Jubail - KSA

SIZE (Sqm):30,000 m²**CONTRACTOR:**

1. Linde
2. MMG

CONSULTING FIRM:

Samsung

COATING SYSTEM:

7658 Sigmacap Zinc Silicate - 7564 Sigmatherm 540

- The applied protective coating system is resistant to temperatures up to 540°C.
- By using a zinc silicate primer the coating system has an active corrosion protection system in place that acts as a sacrificial anode to the steel in case of damages and exposure to moisture (when the pipe's temperature cycles through ambient temperatures).
- SigmaTherm 540 is a silicone aluminium, moisture curing, coating. Like the zinc silicate primer, SigmaTherm, 540 reacts with moisture from the air to strengthen the bonds in the coating. Neither product requires an additional 'bake' or heat cure as some other heat resistant products do.
- Other products in the SigmaTherm range are based on phenolic epoxy (SigmaTherm 230), modified alkyd aluminium (SigmaTherm 175 and 500) or silicate technology (SigmaTherm 520), the choice for a product is based on the exposure conditions.
- SigmaTherm 350 is a silicone acrylic coating resistant up to 350°C and is available in white, black, red/orange and aluminium.

